

Evaluative Report of the Department

- 1 Name of the Department : Computer Science
- 2 Year of establishment : 1987
- 3 Is the Department part of a School/Faculty of the university? : Faculty
- 4 Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.) : PG(MCA,MCA Lateral), MPhil, PhD, PGDCA
- 5 Interdisciplinary programmes and departments involved : Yes
- 6 Courses in collaboration with other universities, industries, foreign institutions, etc. : Yes
 - Open ERP (optional Subject – part of Open source initiative) offered for 5th semester of MCA –collaboration with Tiny ERP Pvt. Ltd. (As per the MOU with Tiny ERP Pvt. Ltd.)
- 7 Details of programmes discontinued, if any, with reasons : Nil
- 8 Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester and Choice Based Credit System
- 9 Participation of the department in the courses offered by other departments : Yes
 - M.Phil. – Application of Computer in Research
 - Ph.D. – Application of Computer in Research (all department)
 - Provide guidance to all departments to design ICT related syllabus as per their needs.
- 10 Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	1	1	1(Direct)
Associate Professors	2	1	1
Asst. Professors	5	4	4 (Direct)
Other	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research guidance

Name	Qualification	Designation	Specialization	Number of Year of Experience	No. of Ph.D./M.Phil Students guided for the last 4 years
Dr. Ajay Parikh	Ph.D.	Professor & Head	Computer Science	26	2
Dr. Dhiren Patel	M.Sc., Ph.D.	Associate Professor	Computer Science	26	1
Dr. Neepa Shah	Ph.D.	Assistant Professor	Computer Science	16	Nil
Kamalesh kumar Salunke	M.Sc., MCA	Assistant Professor	Computer Science	15	Nil
Ruchita Shah	MCA	Assistant Professor	Computer Science	15	Nil
Chintan kumar Gohel	MCA	Assistant Professor	Computer Science	13	Nil

12 LIST OF EMINENT SCIENTIST/PERSONALITY VISITED DEPARTMENT (Between 2009-2015)

S. No.	Name, Designation and address of eminent personality	Highest achievements of personality	Date of visit	Purpose of visit
1.	Prof. Rajeev Wankar, UOH, Hyderabad	Ph.D.	March 2015	BOS
2.	Prof. Sanjay Chaudhary, Head Research , IICT, Ahmedabad University, Ahmedabad	Ph.D.	March 2015	BOS

3.	Prof. Bhushan Trivedi, Director, GLS-ICT, GLS University, Ahmedabad	Ph.D.	March 2015	BOS
4.	Piyush Govani, Director , Bootstrep Pvt. Ltd. Ahmedabad	MCA	March 2015	BOS
5.	I.C. Matieda, Rtd. Scientist ISRO, Ahmedabad	M.Tech.	December, 2014	Expert Lecture
6.	Rajendra Prasad Dubey, Rtd. Scientist ISRO, Ahmedabad	M.Tech.	December, 2014	Expert Lecture
7.	Prof. Naresh Jotwani, Research director , Ganpat Uni,Kherva	Ph.D.	September, 2014	Conference
8.	Prof. Aseem Benarjee, DA-IICT, Gandhinagar	Ph.D.	September, 2014	Conference
9.	Prof. Apoorva Desai, Head Dept. of Computer Sc. VNSGU, Surat	Ph.D.	September, 2014	Conference
10.	Prof. Devesh Jinwala, SVNIT, Surat	Ph.D.	September, 2014	Conference
11.	Prof. Amit Ganatra, Head B.E. CE. CHARUSAT, Changa	Ph.D.	September, 2014	Conference
12.	Prof. B. V. Buddhadev, S.S. Shah Engineering College, Bhavnagar	M.Tech.	September, 2014	Conference
13.	Prof. Sanjay Chaudhary, IICT, Ahmedabad University, Ahmedabad	Ph.D.	September, 2014	Conference
14.	Prof. Bhushan Trivedi, GLS-ICT, GLS University, Ahmedabad	Ph.D.	September, 2014	Conference
15.	Dr. Shailesh Yagnik, Chief Librarian,MICA, Ahmedabad	Ph.D.	September, 2014	Conference
16.	Dr. Pankesh Patel, IICT, Ahmedabad University, Ahmedabad	Ph.D.	July, 2014	Expert Lecture
17.	Dr. Jakir Laliwala, Director, Attune Infocom, Ahmedabad	Ph.D.	March, 2014	Expert Lecture
18.	Prof. B.V. Buddhadev S.S. Shah Engineering College, Bhavnagar	M.Tech.	10-12-2013	Expert Lecture
19.	Shri Shashikant Sharma, ISRO Senior Scientist with Space	M.Sc. (Maths)	1-9-2012	Expert Lecture

	Application Centre, Team member of Bhuvan Software (Indigenous GIS software)			
20.	Prof. Bhushan Trivedi GLS-ICT, GLS University, Ahmedabad	Ph.D.	August, 2012	Expert Lecture
21.	Mantavya Gajjar, Director ,ODOO, Gandhinagar	MCA	August, 2012	Expert Lecture
22.	Prof. Sanjay Chaudhary, Prof. & faculty dean DAIICT , Gandhinagar	Ph.D.	26 May, 2012	Syllabus review
23.	Dr. Neil Patel, USA	Ph.D.	March 2012	Expert Lecture

13 Percentage of classes taken by temporary faculty – programme-wise information:

Year	Programme	Subject	% of Classes taken by temporary faculty
2012-13	PGDCA Sem-I	Paper-105, Computer Based Statistical Methods and Accounting	50%
2012-13	MCA Sem-I	Paper-105, Computer Based Statistical Methods and Accounting	50%
2012-13	PGDCA Sem-II	Paper-205, Communication Skills and Technical Writing	50%
2012-13	MCA Sem-I	Paper-205, Communication Skills and Technical Writing	50%
2011-12	MCA sem-III & Sem-V	Communication Skills & Technical writing	100%
2011-12	PGDCA Sem-I	Paper-105, Accountancy and Computer Based Statistical Methods)	50%
2011-12	MCA Sem-I	Paper-105, Accountancy and Computer Based Statistical Methods)	50%
2010-11	PGDCA Sem-I	Paper-105 , Accountancy	100%
2010-11	MCA Sem-I	Paper-105 , Accountancy	100%
2009-10	MCA Sem-I	Paper-105 , Accountancy	100%

14 Programme-wise Student Teacher Ratio : 24.17 : 1

15 Number of academic support staff (technical) and administrative staff:
sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Technical staff		3 (2 temporary)	
Administrative staff		1 temporary	

16 Research thrust areas as recognized by major funding agencies : NIL

17 Number of faculty with ongoing projects from : None
a) national b) international funding agencies and
c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

18 Inter-institutional collaborative projects and associated : NIL

- a) National collaboration
- b) International collaboration

19 Departmental projects funded by DST-FIST; UGC- : NIL
SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

- Infrastructure Development & Maintenance project (ONGOING- Between 2009-2015)
(Including Gujarat Vidyapith funded projects)

S. No.	Title of project	Name of Principal investigator and Co-investigators	Name of Financing institute	Duration of project
1.	Web site development, uploading, configuration & maintenance	Shri Kamalesh Salunke	Gujarat Vidyapith	(1 year) Maintenance process continue
2.	E-mail server installation, configuration, upgrading and maintenance	Shri Kamalesh Salunke	Gujarat Vidyapith	(1 year) Maintenance process continue
3.	Online examination system installation,	Shri Kamalesh Salunke	Gujarat Vidyapith	(1 year) Maintenance &

	configuration, upgrading and maintenance			upgrading process continue
4.	Online infrastructure support system installation, configuration, upgrading and maintenance	Shri Kamalesh Salunke	Gujarat Vidyapith	(8 months) Maintenance & upgrading process continue
5.	UTM (Cyberoam) installation, configuration, upgrading and maintenance	Shri Kamalesh Salunke	Gujarat Vidyapith	(4 months) Maintenance & upgrading process continue
6	Examination System for Gujarat Vidyapith	Ruchitaben Shah, Savitaben Borisa	Gujarat Vidyapith	Since 2009 Maintenance & upgrading process continue

20 Research facility / centre with : : NIL

- State recognition
- National recognition
- International recognition

21 Special research laboratories sponsored by / created by industry or corporate bodies :

Infrastructure provided by Gujarat Vidyapith and knowledge expertise and resource person provided by TinyErp Pvt Ltd, Gandhinagar and research done on University Resource Planning System based on open source framework.(As per the MOU with TinyErp Pvt. Ltd)

22 Publications:

- Number of papers published in peer reviewed journals (national / international):

International Journal - 2

National Journal - 2

Sr. No.	Authors	Title	Name of Journal	Year	Volume	Page No
1.	Prof. Ajay Parikh	Mapping of Reference Architecture of Web Browser onto the Web 2.0 Reference Architecture	International Journal MRES	March 2015	ISBN -1-63102-450-7	Page 18-25
2.	Prof. Ajay Parikh	Eco-Friendly Web Page Printing Add-On for Mozilla Firefox	International Journal of Advanced Research	Dec. 2014	2347-9817	Page

			in Computer Science and Technology			
3.	Dr. Dhiren Patel	Dynamic web page with conversion process for converting database fields from one Indian Language to other Indian Language	National journal of System and information technology	December 2010	Volum-3 No-2 Page 178:183 0974-3308	Page 178-183
4.	Dr. Neepa Shah	Efficient data access method in a hierarchical way for data warehouse	National Journal of Computer Science & Technology	Jan-June 2009	0975-2463	Page 26-30

• DETAILS OF RESEARCH PAPERS PRESENTED IN VARIOUS SEMINARS/WORKSHOPS/CONFERENCES AND OTHER PROGRAMMES BY FACULTY (Between 2009-2015)

National Conference - 7

International Conference - 6

Sr. No.	Names of Authors and Co-authors	Title of research paper	Mode of paper presentation (oral/poster/ others)	Name of programme	Name and Address of organizing institute	Duration or date of programme	Venue of programme	Whether the programme is State/ National/ International level
1.	Prof. Ajay Parikh	A Service Oriented Collaborative Model for Cattle Health Care System	Oral Published in IEEE Explore	4 th International Conference on Advances in Computing, Communications and Informatics (ICACCI)	SCMS ,Kochi	August 2015	Kochi	International
2.	Dr. Neepa Shah	Big Data and Cloud Computing: Pitfalls and advantages in Data Management	Oral Published in IEEE Explore	INDIAComm-2015	BVICAM, New Delhi	March 2015	BVICAM, New Delhi	National
3.	Dr. Dhiren Patel	Ethics for Information System	Oral	National Conference on Info. Security and SE	Dept. of Computer Sc. Lucknow	March 2014	Dept. of Computer Sc. Lucknow	National

4.	Dr. Neepa Shah	Data Warehouse Systems in the Environment of Cloud Computing –A Comparative Study of Elastic Cloud Computing and Organizational Systems	Oral Published in IEEE Explore	8 th INDIAComm - 2014	BVICAM, New Delhi	March 2014	BVICAM, New Delhi	International
5.	Ruchita Shah	Citizen Centric E-Governance for Rural Development	Oral	Corporate Governance Conference	GTU ,Ahmedabad	March 2014	GTU, Ahmedabad	International
6.	Dr. Neepa Shah	Problem of ICT students in Nai-Talim Framework	Oral presentation	Third Indian Education System: The Crisis and Shifting Paradigms	Peoples Council of Education, Allahabad, India	19-23 November,2012	Gujarat Vidyapith, Ahmedabad	National
7.	Shri Ruchita Shah	From eLearning to mLearning	Oral presentation	Third Indian Education System: The Crisis and Shifting Paradigms	Peoples Council of Education, Allahabad, India	19-23 November,2012	Gujarat Vidyapith, Ahmedabad	National
8.	Dr. Dhiren Patel	Role of ethical	Oral presentation	National Seminar	Gujarat	2012	Gujarat	National

		hacking in system		on “Dimension of Sustainable Rural Development Management”	Vidyapith		Vidyapith, Randeja	
9.	Dr. Ajay Parikh	ICT based Cattle Heat period Insemination and fertility Management Model	Oral Presentation & Publish in (IEEE-Explore)	Computer Modelling and Simulation -2010 -	UKSim Forth European Modelling Symposium on Computer Modelling and Simulation, Italy.	17-19 Nov. 2010 page(s): 218 - 222	PISA, Italy	International
10.	Dr. Neepa Shah	Advantages of Hierarchical structure for very large database system and query processing using internal hierarchical storage structure	Oral presentation & Published in conference proceedings	National conference on Information and Communication Technology	Sir Padmpat Singhania University, Udaipur. and Council of scientific and industrial research	5-6 March, 2010	Sir Padmpat Singhania University, Udaipur.	National
11.	Dr. Neepa Shah	Conversion of	Proceeding of IT &	IT & Business	978-81-	November 12 –	Institute of	International

		Relational 'Star Schema' Using Hierarchical Approach - Reduce Cost of 'Join' Operations	Business Intelligence (ITBI-10)	Intelligence (ITBI-10)	7446-900-7	14, 2010	Management Technology, Nagpur	
12.	Prof. Ajay Parikh	Software Design Pattern for E-governance Solution Framework	Proceeding of the 4th National Conference ;INDIACom-2010	BVICAM, New Delhi	ISSN 0973-7529 ISBN 987-81-904526-9-4	25-26 Feb.2010 Pages(s) :43-48	BVICAM, New Delhi	National
13.	Prof. Ajay Parikh	Contact Less Vehicle Identification Based on Services Oriented Architecture	Proceeding of the 3rd National Conference ;INDIACom-2009	BVICAM, New Delhi	ISSN 0973-7529 ISBN 987-81-904526-6-3	26-27 Feb.2009 Pages(s) :101-104	BVICAM, New Delhi	National

	• Monograph	:	Nil
	• Chapters in Books	:	Nil
	• Edited Books	:	Nil
	• Books with ISBN with details of publishers		
	• Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)	:	Nil
	• Citation Index- range/average	:	Nil
	• SNIP	:	
	• SJR	:	
	• Impact Factor – range / average	:	
	• h-index	:	

23 Details of patents and income generated : NIL

24 Areas of consultancy and income generated

Sr. No.	Name of faculty	Year	Type of consultancy given (whether honorary or paid)	If paid consultancy is given then write the amount of finance received	Name of Agency/institute/organization to which the consultancy given and finance received
1.	Dr. Ajay Parikh	2012-13	Paid	20,000.00 (INR)	KVK Dethali Online Content management System
2.	Prof. Ajay Parikh	Sept - 2009 to March 2010	Honorary		India Academy of Paediatric Database Design and Migration
3.	Prof. Ajay Parikh	2009	Honorary		C.N. Vidyalaya, Gaushala – Computer based Record keeping system

25 Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad.

Sr. No	Name of Faculty	Laboratory/ Institution/Industry	Visit Date	National/International
1.	Dr. Ajay Parikh	C-DAC Bengaluru	5-7 August -2015	National
2	Mr.Kamalesh Salunke	IIT Guwahati	15-17 December -	National

			2014	
3.	Dr. Ajay Parikh Mr. Kamallesh Salunke	Forensic Science Uni ,Gandhinagar	2012 -13	National
4.	Dr. Ajay Parikh Mr. Kamallesh Salunke, Ruchitaben Shah	Gujarat Govt. Data Center ,Gandhinagar	2012-13	National
5.	Dr. Dhiren Patel, Mr.Chintan Gohel	Gandhi Peace Foundation, Jalgaon	July, 2012	National
6.	Mr.Chintan Gohel	Tiny ERP Pvt Ltd.	11/03/2012	National
7.	Dr. Ajay Parikh	Pisa University	18/11/2010	International
8.	Dr. Ajay Parikh	IIT ,Kanpur	Jun 2009	National

26 Faculty serving in a) National committees b) International committees c)

Editorial Boards d) any other (please specify):

Sr. No.	Names of faculty	Year	Title of journal/Conference	Position of faculty (whether Chief Editor/ Editor/ Editorial board member/ reviewer etc.)	Whether the journal is State/ National/ International	ISSN of journal
1	Dr. Ajay Parikh	May - 2015	IEEE- International Conference on Computing Communication and Automation	Reviewer	International	
2	Dr. Ajay Parikh	December 8-10, 2014	Multi-disciplinary Trends in Artificial Intelligence 8th International Workshop, MIWAI 2014 Bangalore, India, Springer	Program Committee Member	International	
3.	Dr. Ajay Parikh	2014	C.U. Shah University , Department of Information Technology	Member of Board Of Study	State Uni.	
4.	Dr. Ajay Parikh	2011	Vikram Sharabhai Award-Science and Technology	Reviewer	State	Research Project

			(Gujarat Govt.)			
5.	Dr. Dhiren Patel	April, 2011	National Journal of System and Information Technology	Reviewer	National	0974-3378
6.	Dr. Dhiren Patel	March, 2011	International Conference on Information Systems for Indian Languages	Reviewer	International	
7.	Dr. Dhiren Patel	February, 2010	National Journal of System and Information Technology	Reviewer	National	0974-3378
8.	Dr. Dhiren Patel	December, 2010	National Journal of System and Information Technology	Reviewer	National	0974-3378
9.	Dr. Dhiren Patel		BCA, Gujarat University	Member - Board of Study		
10.	Dr. Dhiren Patel		BCA, Bhavnagar University	Member - Board of Study		

27 Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Refresher Programs	- 6
STTP	- 1
Workshops	- 25
FDP	- 7
Conferences & Seminars	- 10
Summer Symposium	- 1

S. No.	Names of faculty	Name of Programme	Name and Address of organizing institute	Duration or date of Programme	Venue of Programme	Whether the Programme is State/ National/ International level
1.	Prof. Ajay Parikh	Data Science & Big Data Analytics -	C-DAC Bengaluru	Workshop August 5-7, 2015	C-DAC Knowledge Park, Bengaluru	National Workshop
2.	Prof. Ajay Parikh	Advances in Computing,	SCMS, Aluva, Kochi	10 – 13 August	Kerala, India	International Conference

		Communications and Informatics (ICACCI)		2015		
3.	Shri Kamallesh Salunke	NKN	IIT , Gauhati	15-17 Dec 2014	IIT , Gauhati	National
4.	Prof. Ajay Parikh	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
5.	Dr. Dhiren Patel	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
6.	Dr. Neepa Shah	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
7.	Shri Kamallesh Salunke	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
8.	Shri Ruchita Shah	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
9.	Neepa Shah	Workshop on “Big Data and Analytics”	UGC and Nirma University	30 June – 11 July 2014	Nirma University	National
10.	Shri Chintan Gohel	Workshop on “Research and its Trends in Computer Science”	UGC and Gujarat Vidyapith	15-19 September, 2014	Gujarat Vidyapith	National
11.	Shri Chintan Gohel	Workshop on “Quantitative Techniques in Research”	GTU, Ahmedabad	21-25 July, 2014	GTU, Ahmedabad	National
12.	Shri Chintan Gohel	Workshop on “Bioinformatics”	SVNIT, Surat	13-17 May, 2013	SVNIT, Surat	National
13.	Dr. Ajay Parikh	State Level Seminar	Gujarat Vidyapith & Paryavaran Mitra	29 March, 2013	Gujarat Vidyapith	Regional
14.	Neepa Shah	Refresher Course	UGC-ASC, Gujarat Uni.	3 -23 March 2013	Gujarat University	National
15.	Shri Chintan	Refresher	UGC-ASC, University of	3-26 March,	University of Burdwan	National

	Gohel		Burdwan	2013		
16.	Prof. Ajay Parikh	Conference	Peoples Council of Education, Allahabad, India	19-23 November, 2012	People Education Council	National
17.	Dr. Dhiren Patel	Conference	Peoples Council of Education, Allahabad, India	19-23 November, 2012	People Education Council	National
18.	Shri Kamallesh Salunke	Conference	Peoples Council of Education, Allahabad, India	19-23 November, 2012	People Education Council	National
19.	Shri Chintan Gohel	Conference	Peoples Council of Education, Allahabad, India	19-23 November, 2012	People Education Council	National
20.	Prof. Ajay Parikh	NME-ICT	A-View	6 October, 2012	Online	Online
21.	Shri Ruchita Shah	FDP	Gujarat Vidyapith	9-18 June, 2012	Gujarat Vidyapith	Regional
22.	Dr. Dhiren Patel	Workshop	UGC	19-24 March, 2012	UGC Delhi	National
23.	Prof. Ajay Parikh	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
24.	Dr. Dhiren Patel	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
25.	Dr. Neepa Shah	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
26.	Shri Kamallesh Salunke	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
27.	Shri Ruchita Shah	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
28.	Shri Chintan Gohel	Workshop on "Effective Teaching"	UGC and Gujarat Vidyapith	18-19 March, 2012	Gujarat Vidyapith	Regional
29.	Shri Chintan Gohel	FDP	OpenERP, Gandhinagar	9-11 March, 2012	OpenERP, Gandhinagar	National
30.	Shri Ruchita Shah	Refresher Course	UGC-ASC, Gujarat University	9-29 January, 2012	Gujarat University	National
31.	Shri Chintan Gohel	Workshop	IASE	22 December, 2011	Gujarat Vidyapith	Regional
32.	Shri Chintan Gohel	Refresher	UGC-ASC, S.P. University	31 October -20 Nov., 2011	S.P. University	National

33.	Dr. Dhiren Patel	Workshop	UGC	16-21 May, 2011	UGC Delhi	National
34.	Dr. Neepa Shah	FDP	Gujarat Vidyapith	5-15 May, 2011	Vedchhi	Regional
35.	Shri Kamallesh Salunke	FDP	Gujarat Vidyapith	5-15 May, 2011	Vedchhi	Regional
36.	Shri Chintan Gohel	FDP	Gujarat Vidyapith	5-15 May, 2011	Vedchhi	Regional
37.	Dr. Neepa Shah	Refresher Course	UGC-ASC, Gujarat University	21 March – 10 April, 2011	Gujarat University	National
38.	Kamallesh Salunke	Refresher Course	UGC-ASC, Gujarat University	21 March – 10 April, 2011	Gujarat University	National
39.	Dr. Dhiren Patel	Workshop	UGC	16-20 August, 2010	UGC Delhi	National
40.	Dr. Ajay Parikh	FDP	Microsoft & IITB	21-25 June, 2010	IITB	National
41.	Shri Ruchita Shah	ICEG-2010, the Seventh International Conference on E-Governance	Indian Institute of Management, Bangalore	22-24 April, 2010	IIM Bangalore	International
42.	Prof. Ajay Parikh	National Conference on “Sustainable Development and Management of Information Technology in Universities (SUDMIT-2010)	FTK-Centre for Information Technology Jamia Millia Islamia University	25-26 March, 2010	FTK-Centre for Information Technology, Jamia Millia Islamia University, New Delhi	National
43.	Dr. Dhiren Patel	National Conference on “Sustainable Development and Management of Information Technology in Universities (SUDMIT-2010)	FTK-Centre for Information Technology Jamia Millia Islamia University	25-26 March, 2010	FTK-Centre for Information Technology, Jamia Millia Islamia University, New Delhi	National
44.	Dr. Dhiren Patel	International Conference on Global Warming: Agriculture, Sustainable Development and Public Leadership	International School for Public Leadership, Indian Society for Community Education & Manthan Educational Programme Society	11-13 March, 2010	Gujarat Vidyapith	International

45.	Dr. Dhiren Patel	Workshop	UGC	9-14 November, 2009	UGC Delhi	National
46.	Dr. Dhiren Patel	Workshop	UGC	3-7 August, 2009	UGC Delhi	National
47.	Dr. Neepa Shah	Research Workshop	DAIICT, Gandhinagar	24-25 July, 2009	DAIICT, Gandhinagar	National
48.	Shri Ruchita Shah	Workshop	DAIICT, Gandhinagar	24-25 July, 2009	DAIICT, Gandhinagar	National
49.	Prof. Ajay Parikh	Summer symposium	IIT-Mumbai	21-25 June, 2009	IIT, Mumbai	National
50.	Shri Ruchita Shah	STTP	Nirma Institute of Technology, Ahmedabad	25 -29 May, 2009	Nirma Institute of Technology, Ahmedabad	National

28 Student projects :

a) percentage of students who have done in-house projects including inter-departmental projects

Year	Course	% of Students developing in-house projects
2014-15	PGDCA Sem-II	100%
	MCA Sem-II	32%
	MCA Sem-IV	49%
	MCA Sem-VI	0 %
2013-14	PGDCA Sem-II	80%
	MCA Sem-II	37%
	MCA Sem-IV	39%
	MCA Sem-VI	0 %
2012-13	PGDCA Sem-II	50%
	MCA Sem-II	25%
	MCA Sem-IV	67%
	MCA Sem-VI	0%
2011-12	PGDCA Sem-II	00%
	MCA Sem-II	25%
	MCA Sem-IV	75%
	MCA Sem-VI	00%
2010-11	PGDCA Sem-II	0%
	MCA Sem-II	00%
	MCA Sem-IV	00%
	MCA Sem-VI	0%
2009-10	PGDCA Sem-II	00%
	MCA Sem-II	90%
	MCA Sem-IV	100%
	MCA Sem-VI	0%

b.) percentage of students doing projects in collaboration with other universities /industry / institute

Year	Course	% of Students developing projects in collaboration with industries/institutes
2014-15	MCA Sem-VI	100%
2013-14	MCA Sem-VI	100%
2012-13	MCA Sem-VI	100%
2011-12	MCA Sem-VI	100%
2010-11	MCA Sem-VI	100%
2009-10	MCA Sem-VI	100%

29 Awards / recognitions received at the national and international level by :

S. No.	Name of student	Title of Recognition	Year	Level of recognition (State/Regional/National/International)	Name of Agency/institute/organization giving the recognition
1.	Jaydeep Modi Raj Prajapati Faculty Mentor- Dr. Ajay Parikh	Arduino Based Automatic Plant Watering System (11 th Rank in top 15 project)	2015	National	Arduino Day
2.	Jignasha Royala & Hardik Solanki	Web Development Contest – Winner	2015	State	TechKaushalya – Department of Computer Sc, Gujarat University - Ahmedabad
3.	Sariq Shaikh Dilip Prajapati Paurik Bhavasar Pratik Patel Faculty Mentor- Dr. Ajay Parikh	The Great Mind Challenge -2008 , The National level Program by IBM “The Runner UP”	2008	National	IBM

30 Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any :

S. No	Nature of programme	Title of programme	Duration	Venue	Number of participants	Amount of Financial assistance received	Name of Financial institute
1.	Workshop(15-19 September, 2014)	Research and its Trends in Computer Science	5 Days	Gujarat Vidyapith	19	Rs. 40813/-	UGC
2.	Workshop (9-11 January, 2014)	GOF and Design Pattern	3 days	Gujarat Vidyapith	22	Rs. 33686/-	UGC
3.	Student training program(2014)	iPhone	1 day	Gujarat Vidyapith	30	Supported by Alumni Association	Gujarat Vidyapith
4.	Student Training program (March, 2013)	PHP	2 days	Gujarat Vidyapith	30	Rs. 2000/-	Gujarat Vidyapith
5.	Workshop (18-19 march, 2012)	Effective Teaching	2 days	Gujarat Vidyapith	28	Rs. 11947/-	UGC
6.	Student training program	Open ERP	3 days	Gujarat Vidyapith	18	Supported by Alumni Association	Gujarat Vidyapith

31 Code of ethics for research followed by the departments :

The students are sensitized about the ethics in research. They are made aware about plagiarism. Gandhian philosophies of ethics are part of course work in M.Phil. And Ph.D.

32 Student profile programme-wise:

Year	Name of the Programme	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
2014	PGDCA	30	13	14	75%	100%
	MCA	151	36	11	Continue	Continue
	M.Phil.	1	1	-	100%	-
	Ph.D.	2	1	1	Continue	Continue
2013	PGDCA	19	14	5	75%	80%
	MCA	259	39	9	Continue	Continue
	M.Phil.	-	-	-	-	-
	Ph.D.	-	-	-	-	-
2012	PGDCA	33	14	6	72.22%	50%
	MCA	268	34	10	87.5%	77.77%
	M.Phil.	1	1	-	100%	-
	Ph.D.	-	-	-	-	-
2011	PGDCA	42	18	4	26.31%	25%
	MCA	161	26	19	100%	100%
	M.Phil.	1	-	1	-	100%
	Ph.D.	-	-	-	-	-
2010	PGDCA	76	9	8	33.33%	16.66%
	MCA	160	27	6	100%	100%
	M.Phil.	-	-	-	-	-
	Ph.D.	-	-	-	-	-
2009	PGDCA	110	13	5	23.07%	33.33%
	MCA	132	19	18	87.5%	90.90%
	M.Phil.	-	-	-	-	-
	Ph.D.	-	-	-	-	-

33 Diversity of students:

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2014	PGDCA	4%	96%	0	0
	MCA	0	100%	0	0
	M.Phil.	0	100%	0	0
	Ph.D.	50%	50%	0	0
2013	PGDCA	0	100%	0	0
	MCA	0	100%	0	0
	M.Phil.	-	-	-	-
	Ph.D.	-	-	-	-
2012	PGDCA	0	100%	0	0
	MCA	0	100%	0	0
	M.Phil.	100%	0	0	0
	Ph.D.	-	-	-	-
2011	PGDCA	0	100%	0	0

	MCA	0	100%	0	0
	M.Phil.	0	100%	0	0
	Ph.D.	-	-	-	-
2010	PGDCA	0	100%	0	0
	MCA	0	100%	0	0
	M.Phil.	-	-	-	-
	Ph.D.	-	-	-	-
2009	PGDCA	0	100%	0	0
	MCA	0	100%	0	0
	M.Phil.	-	-	-	-
	Ph.D.	-	-	-	-

34 How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Number of Students	Examination	Category of Student
2009	1	GPSC	Open

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not applied
PG to M.Phil.	1%
PG to Ph.D.	0
Ph.D. to Post-Doctoral	0
Employed	
Campus selection	75%
Other than campus recruitment	20%
Entrepreneurs	5%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	50%
from universities from other States from	0
universities outside the country	0

- 37** Number of faculty who were awarded M.Phil., Ph.D., : Ph.D. : 2 (Two)
D.Sc. and D.Litt. during the assessment period
- 38** Present details of departmental infrastructural facilities :
with regard to
- a) Library
Fully functional and computerized departmental library having more than 1500 books and a separate reading room is available for students.
 - b) Internet facilities for staff and students
Internet facility is available 24x7x365 for all faculties and students
 - c) Total number of class rooms :
4 classrooms equipped high end projectors for presentation and audio system
 - d) Class rooms with ICT facility
4 classrooms equipped with ICT facility
 - e) Students' laboratories
 - o Department have 2 functional laboratories for MCA and PGDCA students with projectors. There are 30 computers in each laboratory.
 - o One networking laboratory with networking tools is available for students for learning basics of networking.
 - o 1 Language Laboratory with 25 computers and a language lab server.
 - f) Research laboratories : 1
 - g) Please refer Annexure-1 (as attachment)
- 39** List of doctoral, post-doctoral students and Research : Yes
Associates
- a) from the host institution/university 02(two)
 - b) from other institutions/universities 01(one)
- 40** Number of post graduate students getting financial assistance from the university:
Yes, OBC, SC and ST students get 100% financial assistance as per Government rules and General category students get financial assistance based on merit from Gujarat Vidyapith Mandal.

41 Was any need assessment exercise undertaken before : Yes
the development of new programme(s)? If so, highlight
the methodology

- Methodologies are
 1. Students feedback
 2. Alumni feedback
 3. Faculty feedback & discussion
 4. Advice of expert (Academicians and industrialist)
 5. Board of study

42 Does the department obtain feedback from

A) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how
does the department utilize the feedback? -Yes,

1. Designed and updated syllabus time to time.
2. Evaluation system (introduced weekly examination)
3. Practical evaluation (grading system)

B) Students on staff, curriculum and teaching-learning-evaluation and how
does the department utilize the feedback? –Yes,

1. Extra lectures
2. Extra time for Lab
3. Expert lectures & Seminar

C) Alumni and employers on the programmes offered and how does the
department utilize the feedback? –Yes,

1. Established Language lab for communication and soft skill
2. Expert lecturers on Advance topics
3. Placement & Industrial project
4. In-house software development

43 List the distinguished alumni of the department (maximum 10)

Sr. No.	Name	Position
1.	Prof. Sanjay Chaudhari	Prof. & Dean Research , Inst. Of Eng. & Tech, Ahmedabad
2.	Mr.Girish Suthar	VP Scan point Ltd, Ahmedabad
3.	Mr.Piyush Govani	Director Bootstrep Pvt. Ltd, Ahmedabad
4.	Mr.Tejas Patel	HP, Project Leader , USA
5.	Mr.Mantavya Gajjar	Director ,Tiny ERP Pvt. Ltd, Gandhinagar
6.	Mr. Ankur Trivedi	Director, Angels Multimedia, Ahmedabad
7.	Mr. Dilip Prajapati	Team Lead, Flightnetwork.com, Ahmedabad
8.	Mr. Gaurang Solanki	Manager (IT), SBI
9.	Mr. Dushyant Shah	Vice President(IT), Citibank, USA
10.	Mr. Naishadh Shah	Vice President(IT), Barclays, Pune
11.	Mrs. Meera Mehta	Project Leader, Oracle, Mumbai

44 Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Department organizes expert lectures of Academic & Industry experts for students where they obtain knowledge regarding various advance developments in ICT and applications of ICT. Student training programs and workshops are organized by the department where Industries experts & Alumni provide training.

45 List the teaching methods adopted by the faculty for different programmes.

Sr. No	Teaching Methods adopted by Faculty	Note
1.	Lecture	
2.	Practical	
3.	Case Study/Field work	
4.	Survey Work	Faculties arrange survey on specific issue. Cattle health aware ness in cattle owner, e-west management

5	Tutorial and Presentation	
6	Project	Total three projects in 3 years MCA program. – 1 month project in sem II and IV and six months project in 6 th Semester. 2 projects in MCA lateral (2years Program) and 1 three months project in PGDCA
7	Quiz	Faculties arrange Quiz Program normally at the end of semester. This program is learning while playing.

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46 How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? :

- Students are evaluated to monitor their learning. Students are assessed through 4 different assessments: Continuous evaluation, weekly test, internal exams and external exams
- Continuous evaluation: students are assessed on their regularity, their involvement in the class, regularity in submissions and participation in class and extracurricular activities.
- Weekly test: Weekly test are organised for each subject twice in a semester. These will help student to improve their study.
- Internal exams: Internal exams for theories and practical are held once in every semester.
- External exams : Gujarat Vidyapith organises external exam for all(Practical)
- Project Work: MCA-At the end of Semester 2(one month) and 4 (one month) and Semester 6 .PGDCA- At the end of Semester-2 (two months)

47 Highlight the participation of students and faculty in extension activities :

- Every year gram-jivan padyatra, an extension activity is held by Gujarat Vidyapith wherein group of 10-12 students and a faculty visit villages of Gujarat for 4 days

- In year 2013 Gandhi-katha was organised by Vidyapith for the benefit of students and rural public. During these katha, students spend 5 days in villages and communicated with villagers.
- Awareness program for school students & society (Judicious use of electronic gadgets and Internet.)
- Awareness program regarding higher education at Gujarat Vidyapith in tribal & rural area.

48 Give details of “beyond syllabus scholarly activities” of the department

- Every year a quiz is organised for students.
- Students are encouraged to explore new avenues of software applications. They are encouraged to opt for advance technology for their projects.
- Student Participated in ‘Indian Student Parliament’, Pune.
- Students are encouraged to participate in national and state level seminar and workshop.
- Students are encouraged to manage University level cultural & academic events.
- In house software development, deployment and implementation as per various department’s needs. (Payroll, ICT Support System, Exam Dept Software etc.)

49 State whether the programme/ department is accredited/ : Nil graded by other agencies? If yes, give detail

50 Briefly highlight the contributions of the department in generating new knowledge, basic or apply.

1. Use of ICT for Cattle health care
 - Conducted awareness program for cattle owners regarding cattle health care and developed prototype software for heat & fertility management
2. Open Source Initiative
 - Study the open source software Issues & troubleshooting in secondary School (M.Phil. dissertation)
3. Students are maintain campus wide computer network as a part of

‘Udyog’ (more than 500 Computer and 2 km Fibre optics network)

4. Department has developed (with the help of Students) many in house software projects for various needs of departments of Gujarat Vidyapith

- Examination Software System
- Payroll Software System
- Library Management Software System
- Online Examination
- Campus wide Intranet

5. Department is involved in ICT Infrastructure (Hardware/Software) development of all campuses.

- Fibre optic network within Ahmedabad campus and a wireless connection with remote centres have been established under guidance of Department.
- Many rural-based applications are developed under guidance of departments.

51 Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department:

Strength	<ol style="list-style-type: none">1. Ours is a residential program so it is advantageous for students and staff to carry out academic, research and extension work. (in-house software development, Software and Network maintenance of entire campus 500+ computer)2. Laboratory access 24 x 73. Dedicated faculties4. Academic Programme for Master to M.Phil. and Ph.D Program available on the same campus in the same department.5. Student selection through entrance exam.6. The Pass out students are absorbed in renowned industries and some are proven entrepreneur.7. Strong alumni association.
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	8. Pro-Village attitude 9. Prayer and Community life. 10. Teaching in mother tongue (Earlier it was a challenge) 11. Freedom of decision making.
Challenges	1. Due to costly higher education, it is difficult to attract economical poor and rural students. 2. Difficult to attract rural students (female) because of social issues. 3. Difficult to attract urban students because medium of instruction is Gujarati. 4. Higher drop out ratio because of economic and social issues.
Opportunities	1. Due to the prime location more students are attracted. 2. There are ample of opportunities to replicate research in rural domain. 3. Healthy and conducive atmosphere for teaching learning and research.
Weakness	1. Shortage of work force (Faculty and Supporting Staff). 2. Weaker documentation and publication by faculty. 3. Poor communication skills.

52 Future plans of the Department :

- Start Integrated MCA and 2 years M.Tech. program
- Short term Specialization course as per rural & industries needs
- Strengthen Research & Development.
- Better ICT support system for administrative E-governance & academics
- Develop MOOC in local language.
- Focus on Digital India.

Annexure-1

Sr. No.	Name of instrument/equipment	Make (Manufacturer of instrument)	Purchasing year and desktop number	Price of instrument
1	Desktop Computers	HP	Pace Computer : P/A/R/92966/A 31-03-10	949057.20
2	Desktop Computers	HP	Innova Systems : (12-13/May/362 - 26-5-2012)	636995.20
3	Desktop Computers	HP	Innova Systems : (12-13/Jul/167 11-7-2012)	367875.60
4	Desktop Computers	HP	Innova Systems : (12-13/Sep/242 14-Sep-2012)	367875.60
5	Laptop Computer	HP	Datatech Computres : DCPL/12030 22-01-14	65857.00
6	Win NT Server		Star Powertech P.Ltd. (QTY : 1) 27-03-1997 97-98/0087 - No Bill	
7	Small Busi. Server 2000		Innova Systems (QTY :2) : (001/SB/GV/12-13 12-May-2012)	
8	Windows server		Innova Systems (QTY :2) : (001/SB/GV/12-13 12-May-2012)	
9	HP 6730B Note Book	HP	Pace Computer (QTY :2) : P/A/R/82806/A 10-Feb-2009	129000.00
10	HP LJ P1008 Printer	HP	Pace Computer (QTY :2) : P/A/R/82874/A 12-Mar-2009	12428.57
11	HP Server Blade Server	HP	Innova Systems (QTY :1) : (10-11/Jun/035 10-June-2010)	1672365.00
12	UPS Online 20 KVA 3PH		RS. Power systems, Jaipur	167983.00

			(QTY :1) :(EX-261 19-Jul-2010)	
13	IMAC 21.5" QUAD Core	Apple	Innova Systems (QTY :1) : (11-12/Mar/71 05-Mar-2012)	56190.00
14	UPS 6KVA Power bank Battery		Innova Systems :(QTY :1) (12-13/Nov/084 07-Nov-2012)	127217.00
15	Epson LQ 2090 Dot Matrix Printer	Epson	Kant Desai Cares P.Ltd. : RI/202 04-06-2013	39600.00
16	Panasonic LCD Projector	Panasonic	Chex Audio Visual Solutions : 23 29-07-13	81652.00
17	HP 200 Flatbed Scanner	HP	Innova Systems : 14-15/Dec/032 11-12-2014	3333.33
18	HP pro 3330 Computer	HP	Pace Computer : P/A/R/142888/A 07-01-2015	975100.00
19	Battery Quanta		Innova Systems : (QTY :16) 14-15/Feb/054 18-Feb-2015	34000.00
20	Panasonic LCD PT-LB330 Projector	Panasonic	Care Office Equipment Ltd. : ZRI14/15/139627 20-02-15	37952.38
21	Network Storage		Innova Systems : 10-11/Oct/114 27-Oct-2010	20000.00
22	Orell Digital Language Lab software	Orell Technologies Pvt. Ltd	Orell Technologies Pvt. Ltd, : 29/5/2014	1,31,000.00

